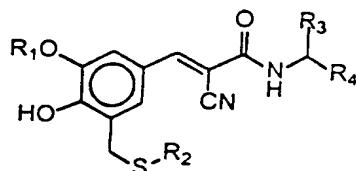


WE CLAIM:

1. A compound of the general formula:

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wherein

R<sub>1</sub> is H or C1 to C3 alkyl;

R<sub>2</sub> is aryl or -(CH<sub>2</sub>)<sub>n</sub>- aryl and n is 1 to 4;

15 R<sub>3</sub> is H or CH<sub>3</sub>; and

R<sub>4</sub> is substituted or unsubstituted phenyl, pyridyl, thiophene, furan, indole, pyrrole, thiazole or imidazole.

2. A compound in accordance with claim 1 wherein

20 R<sub>1</sub> is H, methyl or ethyl;

R<sub>2</sub> is phenyl, benzyl, -(CH<sub>2</sub>)<sub>2</sub>-phenyl, -(CH<sub>2</sub>)<sub>3</sub>-phenyl or 2-thiobenzothiazole;

R<sub>3</sub> is H; and

R<sub>4</sub> is phenyl.

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3. A compound in accordance with claim 1 wherein the compound is N-benzyl-2-cyano-3-(4'-hydroxy-3'-methoxy-5'-methylene thiobenzyl phenyl) acrylamide.

4. A compound in accordance with claim 1 wherein the compound is N-benzyl-2-cyano-3-(3'-ethoxy-4'-hydroxy-5'-methylene thiophenyl phenyl) acrylamide.

5 5. A compound in accordance with claim 1 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-methylene (2'-thiobenzothiazole) phenyl) acrylamide.

6. A compound in accordance with claim 1 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-methylene thiobenzyl phenyl) acrylamide.

7. A compound in accordance with claim 1 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-methylene thiophenyl phenyl) acrylamide.

15 8. A compound in accordance with claim 1 wherein the compound is N-benzyl-2-cyano-3-(4'-hydroxy-3'-methoxy-5'-(methylene thioethyl phenyl) phenyl) acrylamide.

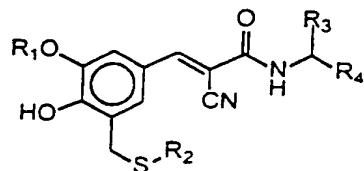
9. A compound in accordance with claim 1 wherein the compound is N-benzyl-2-cyano-3-(4'-hydroxy-3'-methoxy-5'-(methylene thiopropyl phenyl) phenyl) acrylamide.

10. A compound in accordance with claim 1 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-(methylene thioethyl phenyl) phenyl) acrylamide.

11. A compound in accordance with claim 1 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-(methylene thiopropyl phenyl) phenyl) acrylamide.

12. A pharmaceutical composition comprising a compound of the formula:

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wherein

R<sub>1</sub> is H or C1 to C3 alkyl;

R<sub>2</sub> is aryl or -(CH<sub>2</sub>)<sub>n</sub>- aryl and n is 1 to 4;

R<sub>3</sub> is H or CH<sub>3</sub>; and

15 R<sub>4</sub> is substituted or unsubstituted phenyl, pyridyl, thiophene, furan, indole, pyrrole, thiazole or imidazole

and a pharmaceutically acceptable carrier.

13. A pharmaceutical composition in accordance with claim 12 comprising a compound of formula I, wherein

20 R<sub>1</sub> is H, methyl or ethyl;

R<sub>2</sub> is phenyl, benzyl, -(CH<sub>2</sub>)<sub>2</sub>-phenyl, -(CH<sub>2</sub>)<sub>3</sub>-phenyl or 2-thiobenzothiazole;

R<sub>3</sub> is H; and

R<sub>4</sub> is phenyl.

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14. A pharmaceutical composition in accordance with claim 12 wherein the compound is N-benzyl-2-cyano-3-(4'-hydroxy-3'-methoxy-5'-methylene thiobenzyl phenyl) acrylamide.

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15. A pharmaceutical composition in accordance with claim 12 wherein the compound is N-benzyl-2-cyano-3-(3'-ethoxy-4'-hydroxy-5'-methylene thiophenyl phenyl) acrylamide.

5 16. A pharmaceutical composition in accordance with claim 12 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-methylene (2'-thiobenzothiazole) phenyl) acrylamide

10 17. A pharmaceutical composition in accordance with claim 12 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-methylene thiobenzyl phenyl) acrylamide.

15 18. A pharmaceutical composition in accordance with claim 12 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-methylene thiophenyl phenyl) acrylamide.

19. A pharmaceutical composition in accordance with claim 12 wherein the compound is N-benzyl-2-cyano-3-(4'-hydroxy-3'-methoxy-5'-(methylene thioethyl phenyl) phenyl) acrylamide.

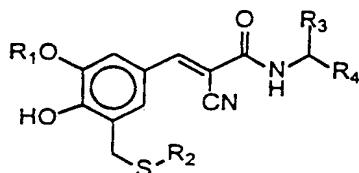
20 20. A pharmaceutical composition in accordance with claim 12 wherein the compound is N-benzyl-2-cyano-3-(4'-hydroxy-3'-methoxy-5'-(methylene thiopropyl phenyl) phenyl) acrylamide.

25 21. A pharmaceutical composition in accordance with claim 12 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-(methylene thioethyl phenyl) phenyl) acrylamide.

22. A pharmaceutical composition in accordance with claim 12 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-(methylene thiopropyl phenyl) phenyl) acrylamide.

5 23. A method for treating a neoplastic disorder in a mammal comprising administering to the mammal an effective amount of a compound of the formula:

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15 wherein

R<sub>1</sub> is H or C1 to C3 alkyl;

R<sub>2</sub> is aryl or -(CH<sub>2</sub>)<sub>n</sub>-aryl and n is 1 to 4;

20 R<sub>3</sub> is H or CH<sub>3</sub>; and

R<sub>4</sub> is substituted or unsubstituted phenyl, pyridyl, thiophene, furan, indole, pyrrole, thiazole or imidazole.

24. A method in accordance with claim 23 comprising administering an effective amount of a compound of formula I wherein

R<sub>1</sub> is H, methyl or ethyl;

R<sub>2</sub> is phenyl, benzyl, -(CH<sub>2</sub>)<sub>2</sub>-phenyl, -(CH<sub>2</sub>)<sub>3</sub>-phenyl or 2-thiobenzothiazole;

R<sub>3</sub> is H; and

30 R<sub>4</sub> is phenyl.

25. A method in accordance with claim 23 wherein the compound is N-benzyl-2-cyano-3-(4'-hydroxy-3'-methoxy-5'-methylene thiobenzyl phenyl) acrylamide.

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26. A method in accordance with claim 23 wherein the compound is N-benzyl-2-cyano-3-(3'-ethoxy-4'-hydroxy-5'-methylene thiophenyl phenyl) acrylamide.

10 27. A method in accordance with claim 23 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-methylene (2'-thiobenzothiazole) phenyl) acrylamide.

28. A method in accordance with claim 23 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-methylene thiobenzyl phenyl) acrylamide.

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29. A method in accordance with claim 23 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-methylene thiophenyl phenyl) acrylamide.

20 30. A method in accordance with claim 23 wherein the compound is N-benzyl-2-cyano-3-(4'-hydroxy-3'-methoxy-5'-(methylene thioethyl phenyl) phenyl) acrylamide.

31. A method in accordance with claim 23 wherein the compound is N-benzyl-2-cyano-3-(4'-hydroxy-3'-methoxy-5'-(methylene thiopropyl phenyl) phenyl) acrylamide.

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32. A method in accordance with claim 23 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-(methylene thioethyl phenyl) phenyl) acrylamide.

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30 acrylamide.

33. A method in accordance with claim 23 wherein the compound is N-benzyl-2-cyano-3-(3',4'-dihydroxy-5'-(methylene thiopropyl phenyl) phenyl) acrylamide.

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*SJH 13* > 34. A method in accordance with any one of claims 23 to 33 wherein the neoplastic disorder is a lymphoma, a leukemia or a metastatic carcinoma.

10 35. A method in accordance with any one of claims 23 to 33 wherein the neoplastic disorder is Acute Lymphoblastic Leukemia.

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36. A method for treating a cell proliferative disorder in a mammal comprising administering to the mammal an effective amount of a compound in accordance with any one of claims 1 to 11.

37. A method in accordance with claim 36 wherein the cell proliferative disorder is selected from the group consisting of an inflammatory disorder, an allergic disorder, an autoimmune disease or graft rejection.